

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316443

Luminaire Tested: **GAN-SA9B-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48875 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

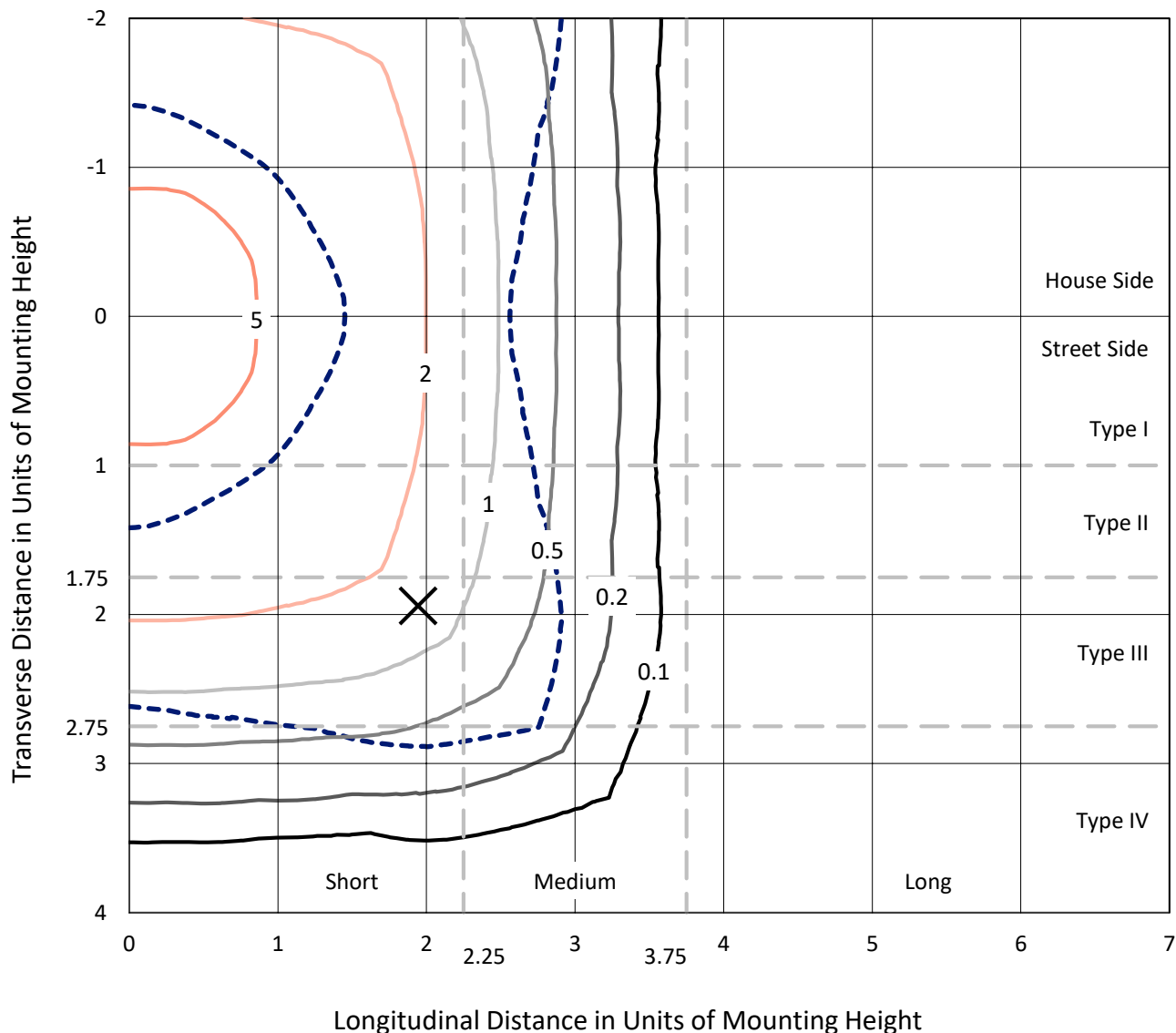
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

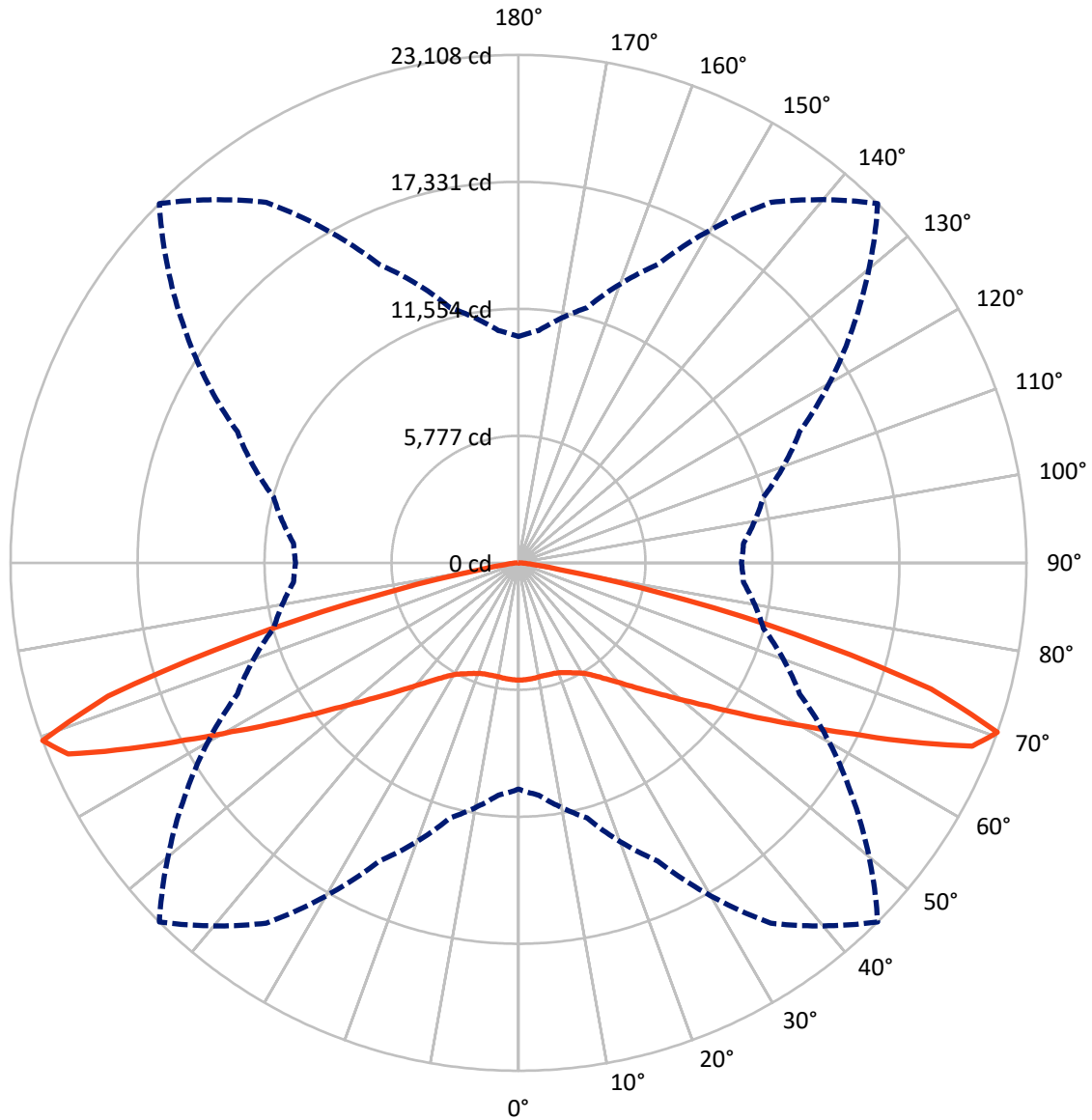
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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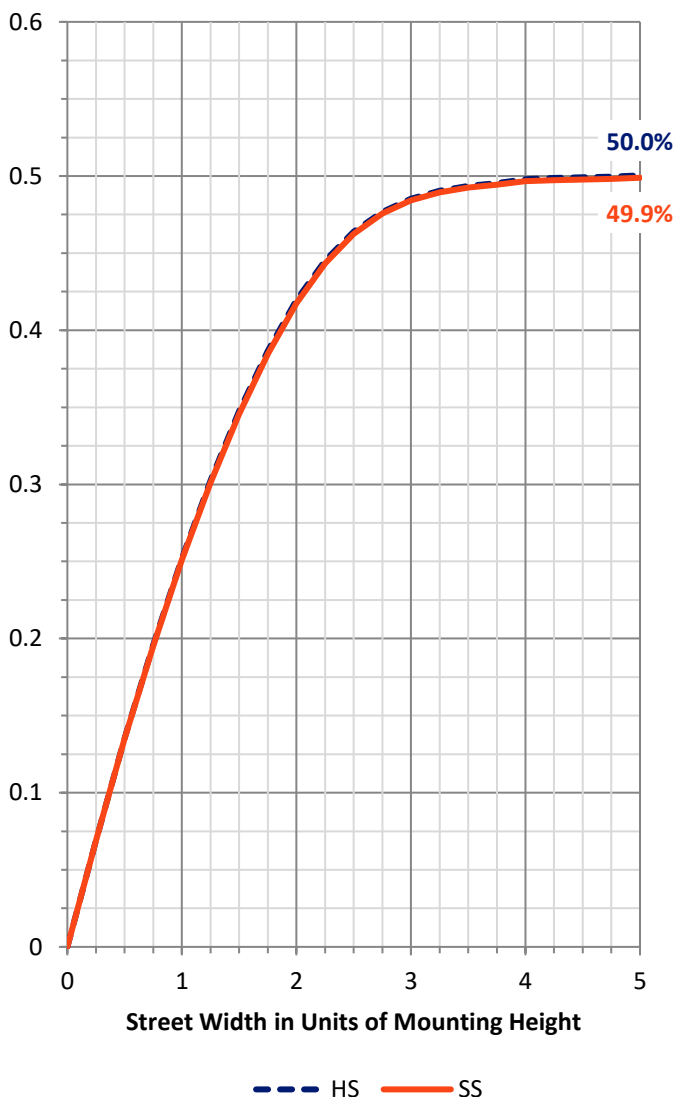
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24437.5	0.0	24437.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24437.5	0.0	24437.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48875.0	0.0	48875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	1.0
10°-20°	1484.2	3.0
20°-30°	2526.6	5.2
30°-40°	4007.1	8.2
40°-50°	6520.8	13.3
50°-60°	10751.6	22.0
60°-70°	15783.6	32.3
70°-80°	6979.5	14.3
80°-90°	316.1	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	48875.0	100.0
0°-180°	48875.0	100.0

Coefficient of Utilization



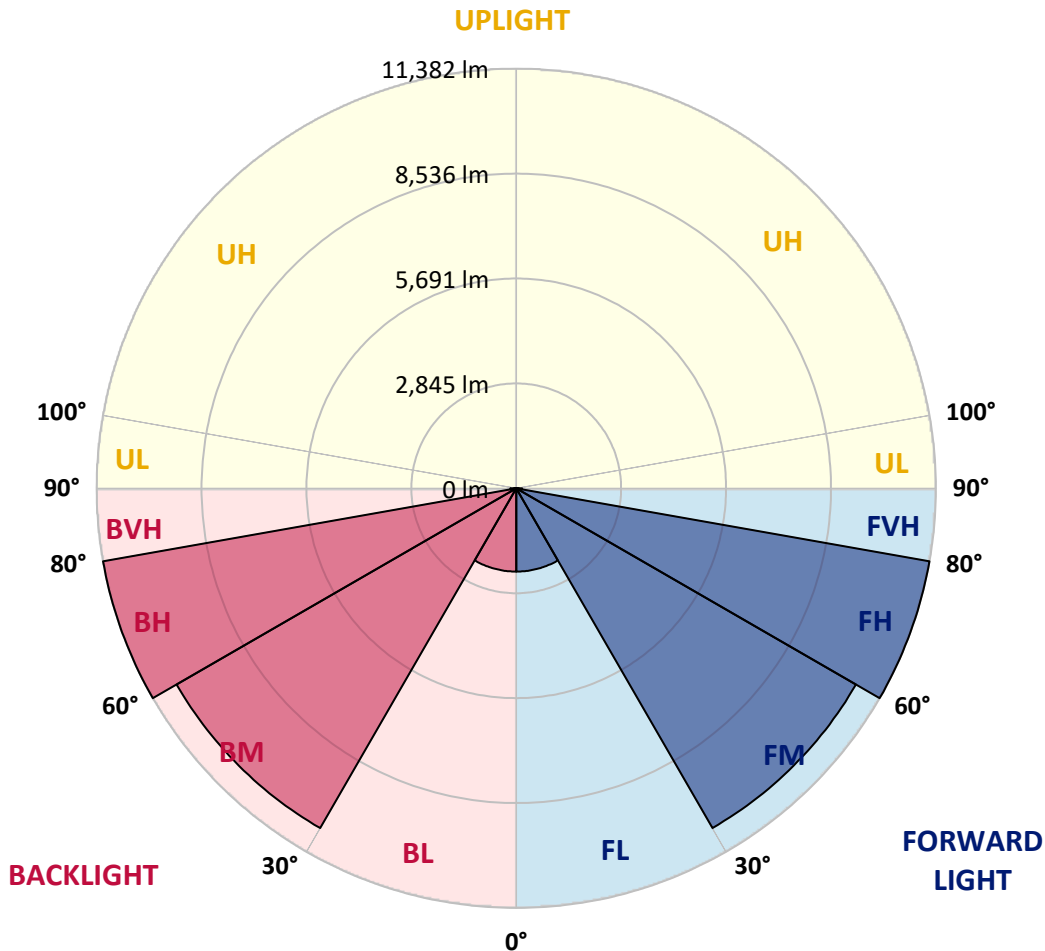
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2258.2	4.6			
FM (30°-60°)	10639.7	21.8			
FH (60°-80°)	11381.6	23.3			G4/12000
FVH (80°-90°)	158.0	0.3			G2/225
BL (0°-30°)	2258.2	4.6	B3/2500		
BM (30°-60°)	10639.7	21.8	B5		
BH (60°-80°)	11381.6	23.3	B5		G4/12000
BVH (80°-90°)	158.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5337.9	5337.9	5337.9	5337.9	5337.9	5337.9	5337.9	5337.9	5337.9	5337.9	5337.9
2.5°	5329.8	5325.0	5336.3	5334.7	5325.0	5326.6	5326.6	5331.4	5331.4	5328.2	5328.2
5°	5310.4	5307.2	5320.1	5320.1	5310.4	5313.6	5316.9	5321.7	5320.1	5316.9	5315.3
7.5°	5286.1	5284.5	5297.5	5297.5	5291.0	5294.2	5291.0	5292.6	5289.4	5286.1	5281.3
10°	5245.7	5248.9	5260.3	5263.5	5263.5	5265.1	5261.9	5253.8	5248.9	5244.1	5239.2
12.5°	5208.5	5206.9	5223.1	5231.2	5244.1	5258.7	5248.9	5226.3	5216.6	5206.9	5203.7
15°	5184.2	5185.9	5202.0	5216.6	5239.2	5270.0	5258.7	5223.1	5203.7	5192.3	5189.1
17.5°	5179.4	5182.6	5203.7	5229.5	5253.8	5287.8	5281.3	5245.7	5213.4	5192.3	5187.5
20°	5190.7	5192.3	5224.7	5261.9	5303.9	5336.3	5321.7	5282.9	5239.2	5206.9	5198.8
22.5°	5211.7	5218.2	5258.7	5316.9	5381.6	5425.3	5407.5	5341.1	5273.2	5232.8	5221.4
25°	5278.1	5279.7	5334.7	5413.9	5491.6	5541.7	5520.7	5426.9	5339.5	5294.2	5279.7
27.5°	5415.6	5420.4	5475.4	5567.6	5633.9	5666.3	5653.3	5577.3	5502.9	5454.4	5459.2
30°	5614.5	5621.0	5682.4	5784.4	5824.8	5832.9	5829.6	5794.1	5726.1	5661.4	5666.3
32.5°	5857.1	5860.4	5942.9	6035.1	6067.4	6073.9	6067.4	6035.1	5954.2	5866.8	5871.7
35°	6169.3	6179.0	6258.3	6347.3	6373.1	6386.1	6374.8	6332.7	6248.6	6162.9	6159.6
37.5°	6554.3	6555.9	6638.4	6730.6	6763.0	6766.2	6753.3	6725.8	6620.6	6543.0	6538.1
40°	7000.8	7007.2	7104.3	7202.9	7215.9	7201.3	7219.1	7202.9	7094.6	7005.6	7020.2
42.5°	7544.2	7558.8	7675.3	7772.3	7735.1	7727.0	7738.4	7743.2	7655.9	7547.5	7537.8
45°	8176.7	8189.6	8335.2	8412.9	8388.6	8335.2	8357.9	8396.7	8275.4	8141.1	8154.1
47.5°	8898.1	8930.5	9085.8	9158.6	9098.7	9025.9	9069.6	9127.8	8985.5	8818.9	8810.8
50°	9700.4	9740.9	9947.9	10049.8	9990.0	9855.7	9928.5	9967.3	9761.9	9546.8	9529.0
52.5°	10556.1	10596.6	10857.0	11067.3	11028.4	10819.8	10921.7	10881.2	10645.1	10355.5	10332.9
55°	11525.0	11541.2	11822.7	12162.3	12201.2	12047.5	12041.0	11974.7	11625.3	11290.5	11274.3
57.5°	12521.4	12532.8	12896.7	13297.9	13480.7	13480.7	13299.5	13158.8	12694.5	12306.3	12265.9
60°	13597.1	13637.6	14040.3	14585.4	15012.5	15138.6	14818.4	14435.0	13930.3	13456.4	13409.5
62.5°	14554.7	14601.6	15217.9	16029.9	16715.7	17175.1	16392.2	15767.9	14849.1	14088.8	13999.9
65°	14676.0	14802.2	15699.9	17170.3	18705.3	19622.5	18121.4	16583.1	14908.9	13852.7	13762.1
67.5°	13403.0	13616.5	14829.7	17118.5	20290.5	22259.1	19226.2	16117.3	13834.9	12667.0	12566.7
70°	10298.9	10609.5	12008.7	14973.6	20017.2	23108.3	18533.9	14109.9	11534.7	10277.9	10137.2
72.5°	5650.1	5777.9	7036.3	10253.6	16047.7	19637.0	15458.9	10433.2	7649.4	6224.3	5988.2
75°	1792.2	1837.5	2478.1	4195.9	9077.7	13006.7	9820.1	5121.2	2819.4	2078.6	2054.3
77.5°	795.8	800.7	896.1	1224.5	3126.7	6589.9	3755.9	1394.3	960.8	839.5	867.0
80°	503.1	503.1	554.8	606.6	850.8	1913.6	1015.8	663.2	566.1	525.7	537.0
82.5°	241.0	266.9	360.7	388.2	467.5	643.8	520.9	433.5	378.5	281.5	262.0
85°	158.5	132.6	228.1	257.2	271.7	309.0	302.5	286.3	247.5	140.7	156.9
87.5°	71.2	67.9	118.1	108.4	101.9	77.6	116.5	144.0	139.1	69.6	69.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)